

What is claimed is:

1. A dryer comprising:  
a blower for generating an airstream,  
a heater for increasing a temperature of the airstream, and  
an air outlet for outputting the airstream, said air outlet having a perimeter to area  
ratio greater than 2.5.
2. The dryer of claim 1 wherein said perimeter to area ratio is greater than 5.
3. The dryer of claim 1 wherein said perimeter to area ratio is greater than 2.5 and less than  
7.
4. The dryer of claim 1 wherein said perimeter to area ratio is greater than 5 and less than 7.
5. The dryer of claim 1 wherein said air outlet is circular.
6. The dryer of claim 1 wherein said air outlet has an air outlet length greater than an air  
outlet largest dimension.
7. The dryer of claim 6 wherein said air outlet is circular and has a length of about 3 to about  
5 times larger than a diameter of the air outlet.

8. The dryer of claim 1 further comprising a dryer housing having a rear wall for mounting said housing, said air outlet being angled towards said rear wall.

9. The dryer of claim 1 further comprising a second air outlet.

10. The dryer of claim 1 wherein said blower generates an airstream having a velocity no less than 18,000 linear feet per minute.

11. The dryer of claim 1 further comprising sound absorbing material to reduce sound level.

12. The dryer of claim 11 wherein said sound absorbing material is positioned in a sound cavity to generate a plurality of reflections off said sound absorbing material.

13. The dryer of claim 1 further comprising proximity sensor for detecting the presence of an object and initiating drying.

Sub 05 ~~14. The dryer of claim 1 wherein said heater is located after said blower.~~

15. The dryer of claim 1 further comprising a motor coupled to said blower, said motor being a brushless motor.

16. The dryer of claim 1 further comprising a motor coupled to said blower, said motor being a brush-type motor.

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17. The dryer of claim 16 further comprising a surge suppressor in series with the brush motor to reduce starting current surge and to extend brush life.

18. A method of operating a dryer having a blower driven by a motor, the method comprising:

initiating a blow-off phase during which said blower operates at a first speed;

initiating an evaporation phase during which said blower operates at a second speed slower than said first speed.

19. The method of claim 18 wherein said blow-off phase has a duration of about 2 to about 3 seconds.

20. The method of claim 18 wherein said evaporation phase has a duration of about 8 to about 12 seconds.

21. The method of claim 18 wherein the dryer includes a heater and the method includes, operating the heater at a first current during said blow-off phase and operating the heater at a second current said evaporation phase.

22. The method of claim 18 wherein said blow-off phase disrupts a stagnation boundary layer on a surface.

23. The method of claim 18 wherein said evaporation phase promotes evaporation of water from a surface.

24. The method of claim 18 wherein said blower speed is controlled by a frequency of a drive signal applied to said motor.

25. The method of claim 24 wherein said drive signal is generated by:

converting a first signal at a first frequency to a dc signal;  
applying said dc signal to an oscillator, said oscillator generating said drive signal, said drive signal having a second frequency higher than said first frequency.

26. The method of claim 18 wherein said blower speed is controlled by gears coupling said motor and said blower.

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28. A dryer comprising:

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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